

Whereas the mission of the Mississippi Farm Bureau Federation is to create an environment in which Mississippi farmers, ranchers, and Farm Bureau members can have a better life and make a better living; and

Whereas October 30, 2022, marks the 100th anniversary of the Mississippi Farm Bureau Federation: Now, therefore, be it

Resolved, That the Senate—

(1) celebrates October 30, 2022, as the 100th anniversary of the Mississippi Farm Bureau Federation; and

(2) commemorates the history, effective advocacy, and contributions to agriculture in Mississippi of the Mississippi Farm Bureau Federation.

RECOGNIZING THE 50TH ANNIVERSARY OF THE ESTABLISHMENT OF HANALEI NATIONAL WILDLIFE REFUGE AND PEARL HARBOR NATIONAL WILDLIFE REFUGE IN THE STATE OF HAWAII

Mr. SCHUMER. Mr. President, I ask unanimous consent that the Committee on Environment and Public Works be discharged from further consideration and the Senate now proceed to S. Res. 801.

The PRESIDING OFFICER. Without objection, it is so ordered.

The clerk will report the resolution by title.

The senior assistant legislative clerk read as follows:

A resolution (S. Res. 801) recognizing the 50th anniversary of the establishment of Hanalei National Wildlife Refuge and Pearl Harbor National Wildlife Refuge in the State of Hawaii.

There being no objection, the committee was discharged, and the Senate proceeded to consider the resolution.

Mr. SCHUMER. I ask unanimous consent that the resolution be agreed to, the preamble be agreed to, and that the motions to reconsider be considered made and laid upon the table.

The PRESIDING OFFICER. Without objection, it is so ordered.

The resolution (S. Res. 801) was agreed to.

The preamble was agreed to.

(The resolution, with its preamble, is printed in the RECORD of September 28, 2022, under "Submitted Resolutions.")

PROVIDING RESEARCH AND ESTIMATES OF CHANGES IN PRECIPITATION ACT

Mr. SCHUMER. Mr. President, I ask unanimous consent that the Senate proceed to the immediate consideration of H.R. 1437, which was received from the House and is at the desk.

The PRESIDING OFFICER. The clerk will report the bill by title.

The senior assistant legislative clerk read as follows:

A bill (H.R. 1437) to amend the Weather Research and Forecasting Innovation Act of 2017 to direct the National Oceanic and Atmospheric Administration to provide comprehensive and regularly updated Federal precipitation information, and for other purpose.

There being no objection, the Senate proceeded to consider the bill.

Mr. SCHUMER. I further ask that the substitute at the desk be considered and agreed to; the bill, as amended, be considered read a third time and passed; and the motion to reconsider be considered made and laid upon the table with no intervening action or debate.

The PRESIDING OFFICER. Without objection, it is so ordered.

The amendment (No. 6485) in the nature of a substitute, was agreed to, as follows:

(Purpose: In the nature of a substitute)

Strike all after the enacting clause and insert the following:

SECTION 1. SHORT TITLE.

This Act may be cited as the "Providing Research and Estimates of Changes In Precipitation Act" or the "PRECIP Act".

SEC. 2. AMENDMENT TO THE WEATHER RESEARCH AND FORECASTING INNOVATION ACT OF 2017 RELATING TO IMPROVING FEDERAL PRECIPITATION INFORMATION.

(a) IN GENERAL.—The Weather Research and Forecasting Innovation Act of 2017 (15 U.S.C. 8501 et seq.) is amended by adding at the end the following:

"TITLE VI—IMPROVING FEDERAL PRECIPITATION INFORMATION

"SEC. 601. STUDY ON PRECIPITATION ESTIMATION.

"(a) IN GENERAL.—Not later than 90 days after the date of enactment of the PRECIP Act, the Administrator, in consultation with other Federal agencies as appropriate, shall seek to enter an agreement with the National Academies—

"(1) to conduct a study on the state of practice and research needs for precipitation estimation, including probable maximum precipitation estimation; and

"(2) to submit, not later than 24 months after the date on which such agreement is finalized, to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate, a report on the results of the study under paragraph (1).

"(b) STUDY.—The report under subsection (a) shall include the following:

"(1) An examination of the current state of practice for precipitation estimation at scales appropriate for decisionmaker needs, and rationale for further evolution of this field.

"(2) An evaluation of best practices for precipitation estimation that are based on the best-available science, include considerations of non-stationarity, and can be utilized by the user community.

"(3) A framework for—

"(A) the development of a National Guidance Document for estimating extreme precipitation in future conditions; and

"(B) evaluation of the strengths and challenges of the full spectrum of approaches, including for probable maximum precipitation studies.

"(4) A description of existing research needs in the field of precipitation estimation in order to modernize current methodologies and consider non-stationarity.

"(5) A description of in-situ, airborne, and space-based observation requirements, that could enhance precipitation estimation and development of models, including an examination of the use of geographic information systems and geospatial technology for integration, analysis, and visualization of precipitation data.

"(6) A recommended plan for a Federal research and development program, including

specifications for costs, timeframes, and responsible agencies for addressing identified research needs.

"(7) An analysis of the respective roles in precipitation estimation of various Federal agencies, academia, State, tribal, territorial, and local governments, and other public and private stakeholders.

"(8) Recommendations for data management to promote long-term needs such as enabling retrospective analyses and data discoverability, interoperability, and reuse.

"(9) Recommendations for how data and services from the entire enterprise can be best leveraged by the Federal Government.

"(10) A description of non-Federal precipitation data, its accessibility by the Federal Government, and ways for National Oceanic and Atmospheric Administration to improve or expand such datasets.

"(c) AUTHORIZATION OF APPROPRIATIONS.—There is authorized \$1,500,000 to the National Oceanic and Atmospheric Administration to carry out this study.

"SEC. 602. IMPROVING PROBABLE MAXIMUM PRECIPITATION ESTIMATES.

"(a) IN GENERAL.—Not later than 90 days after the date on which the National Academies makes public the report under section 601, the Administrator, in consideration of the report recommendations, shall consult with relevant partners, including users of the data, on the development of a plan to—

"(1) not later than 6 years after the completion of such report and not less than every 10 years thereafter, update probable maximum precipitation estimates for the United States, such that each update considers non-stationarity;

"(2) coordinate with partners to conduct research in the field of extreme precipitation estimation, in accordance with the research needs identified in such report;

"(3) make publicly available, in a searchable, interoperable format, all probable maximum precipitation studies developed by the National Oceanic and Atmospheric Administration that the Administrator has the legal right to redistribute and deemed to be at an appropriate state of development on an internet website of the National Oceanic and Atmospheric Administration; and

"(4) ensure all probable maximum precipitation estimate data, products, and supporting documentation and metadata developed by the National Oceanic and Atmospheric Administration are preserved, curated, and served by the National Oceanic and Atmospheric Administration, as appropriate.

"(b) NATIONAL GUIDANCE DOCUMENT FOR THE DEVELOPMENT OF PROBABLE MAXIMUM PRECIPITATION ESTIMATES.—The Administrator, in collaboration with Federal agencies, State, territorial, Tribal and local governments, academia, and other partners the Administrator deems appropriate, shall develop a National Guidance Document that—

"(1) provides best practices that can be followed by Federal and State regulatory agencies, private meteorological consultants, and other users that perform probable maximum precipitation studies;

"(2) considers the recommendations provided in the National Academies study under section 601;

"(3) facilitates review of probable maximum precipitation studies by regulatory agencies; and

"(4) provides confidence in regional and site-specific probable maximum precipitation estimates.

"(c) PUBLICATION.—Not later than 2 years after the date on which the National Academies makes public the report under section 601, the Administrator shall make publicly available the National Guidance Document under subsection (b) on an internet website